

# HISTORIC AMERICAN ENGINEERING RECORD

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GOLD HILL MILL

HAER CA-292

Death Valley National Park

Warm Spring Canyon Road

Death Valley Junction

Inyo County

California

## INDEX TO BLACK AND WHITE PHOTOGRAPHS

Gianfranco Archimede, photographer, July 2000

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| CA-292-1 | OVERVIEW OF GOLD HILL MILL, ROAD, AND WHITE PINE TALC MINE LOOKING EAST. THE OPENING TO THE TALC MINE IS IN THE DARK AREA AT CENTER LEFT EDGE. WARM SPRINGS CAMP IS OUT OF FRAME TO THE RIGHT.   |
| CA-292-2 | OVERVIEW OF GOLD HILL MILL, ROAD, AND WARM SPRINGS CAMP BUILDINGS, LOOKING SOUTH SOUTHEAST. THE FUNCTION OF THE FLAT AREA AT CENTER RIGHT IS UNKNOWN.  |
| CA-292-3 | OVERVIEW OF GOLD HILL MILL, ROAD, AND WARM SPRINGS CAMP BUILDINGS, LOOKING SOUTHWEST.  |
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| CA-292-6  | OVERVIEW OF GOLD HILL MILL, LOOKING NORTH. THE ARRASTRA IS ON THE RIGHT, TO THE LEFT OF THE ENGINE.  |
| CA-292-7  | SOUTH ELEVATION OF GOLD HILL MILL, LOOKING NORTH. THE PRIMARY ORE BIN IS A CENTER, WITH A JAW CRUSHER JUST TO THE RIGHT. A CONVEYOR (MISSING) WAS USED TO CARRY CRUSHED ORE UP AND INTO THE SECONDARY ORE BIN. THE STONE RAMP TO THE LEFT OF THE ORE BIN WAS USED TO DRIVE TRUCKS UP TO DUMPING LEVEL. |
| CA-292-8  | DETAIL VIEW OF ORE BINS AND JAW CRUSHER, LOOKING NORTHWEST FROM NEARBY THE ENGINE. THE CONCRETE MACHINE PAD TO THE RIGHT OF THE CRUSHER PROBABLY HELD THE ENGINE THAT DROVE THE CRUSHER.   |
| CA-292-9  | DETAIL VIEW OF ORE BINS AND JAW CRUSHER WITH SIX FOOT SCALE, LOOKING NORTHWEST FROM NEARBY THE ENGINE. SEE CA-292-18 (CT) FOR IDENTICAL COLOR TRANSPARENCY.  |
| CA-292-10 | DETAIL VIEW OF SECONDARY ORE BIN, AUTOMATIC FEED MECHANISM, DRIVE SHAFT, AND BALL MILL, LOOKING SOUTHWEST FROM THE ARRASTRA. SEE CA-292-19 (CT) FOR IDENTICAL COLOR TRANSPARENCY.  |

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- CA-292-11           DETAIL VIEW OF CLASSIFIER, TAILINGS LAUNDER TROUGH, LINE SHAFTS, AND CONCENTRATION TABLES, LOOKING SOUTHWEST. SLURRY EXITING THE BALL MILL WAS COLLECTED IN AN AMALGAMATION BOX (MISSING) FROM THE END OF THE MILL, AND INTRODUCED INTO THE CLASSIFIER. THE TAILINGS LAUNDER IS ON THE GROUND AT LOWER RIGHT. THE LINE SHAFTING ABOVE PROVIDED POWER TO THE CONCENTRATION TABLES BELOW AT CENTER RIGHT.
- CA-292-12           DETAIL VIEW OF CLASSIFIER, TAILINGS LAUNDER TROUGH, LINESHAFTS, AND CONCENTRATION TABLES WITH SIX FOOT SCALE, LOOKING SOUTHWEST.
- CA-292-13           DETAIL VIEW OF THREE CONCENTRATION TABLES, LOADING RAMP, AND CLASSIFIER, LOOKING EST. THE RAKE THAT WAS ORIGINALLY INSIDE THE CLASSIFIER IS AT CENTER RIGHT ON TOP OF THE LOADING RAMP.
- CA-292-14           DETAIL VIEW OF BALL MILL FEED SYSTEM, MOUTH OF CLASSIFIER, AND ORE BIN CHUTE, LOOKING EAST NORTHEAST. CRUSHED ORE FROM THE SECONDARY ORE BIN WAS INTRODUCED INTO THE FEED TROUGH VIA A CHUTE. AS THE BALL MILL TURNED, THE ROUND SCOOP ALSO TURNED IN THE TROUGH TO CHANNEL ORE INTO THE BALL MILL. SEE CA-292-20 (CT) FOR IDENTICAL COLOR TRANSPARENCY.
- CA-292-15           DETAIL VIEW OF ARRASTRA, LOOKING SOUTHEAST. THIS OLD TECHNOLOGY IS AN ANACHRONISM OF THIS MILL. ORE WAS DUMPED INTO THE STONE LINED TROUGH. AS THE ARRASTRA TURNED LARGE STONES CONNECTED TO THE FOUR ARMS WERE DRAGGED AROUND OVER THE ORE TO CRUSH IT. IT IS CLEAR THAT THIS ARRASTRA WAS POWERED BY MACHINE THOUGH IT IS UNCLEAR EXACTLY HOW IT WAS POWERED. THE WHITE PINE TALC MINE OPENING IS SEEN IN THE DISTANCE AT THE CENTER LEFT EDGE.

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CA-292-16                      OVERALL VIEW OF WARM SPRINGS CAMP, LOOKING  
SOUTHEAST.

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Gianfranco Archimede, photographer, July 2000

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